

**WHAT IS CLAIMED IS:**

1. A shoe structure comprising:
  - an outsole having an end connected to a heel portion;
  - a midsole having a support member supported to an underside of the midsole, the support member having a side wall extending perpendicularly from a periphery thereof and located at a rear end of the midsole, a connection piece having spikes which penetrate through the midsole and the support member and being connected to a top of the heel portion;
  - an insole laminated on the midsole, and
- 10 a vamp securely connected to a periphery of the outsole.
2. The shoe structure as claimed in claim 1, wherein the support member is made of composite fibers.
3. The shoe structure as claimed in claim 1, wherein the midsole and the support member are made to be a one-piece member.
- 15 4. The shoe structure as claimed in claim 1, wherein the side wall of the support member is adapted to extend to a plantar arch of wear's foot.
5. The shoe structure as claimed in claim 1, wherein the support member is made of thermosetting plastic.
6. The shoe structure as claimed in claim 1, wherein the support member is made of thermo-plastic.
- 20 7. The shoe structure as claimed in claim 2, wherein the composite fibers of the midsole are woven with each other and the outsole is made of transparent material.

8. The shoe structure as claimed in claim 1, wherein the insole on the midsole is in flush with a top edge of the side wall of the support member.